

INTERNATIONAL SEARCH REPORT

Int. Patent Application No.

PCT/JP2004/013575

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 H01G9/155

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H01G D01F C10C C01B H01M

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, PAJ, WPI Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 2003/139009 A1 (FUJINO TAKESHI ET AL) 24 July 2003 (2003-07-24)	1
X	paragraphs '0021!', '0023!' - '0029!; tables 2-5	1-5
Y	the whole document	6,7
X	US 2002/154467 A1 (NAKAZAWA YUTAKA ET AL) 24 October 2002 (2002-10-24)	1
X	claim 1	1
A	the whole document	1-5
Y	paragraphs '0038!', '0039!', '0046!	6,7
Y	US 2002/027305 A1 (KIBI YUKARI ET AL) 7 March 2002 (2002-03-07)	6,7
Y	paragraph '0023!	6,7
A	US 2003/043532 A1 (NOGUCHI MINORU ET AL) 6 March 2003 (2003-03-06)	1-7
	the whole document	

☐ Further documents are listed in the continuation of box C.☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the international filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the international filing date but later than the priority date claimed

- *T* later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the international search

18 February 2005

Date of mailing of the international search report

02/03/2005

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
NL - 2280 HV Rijswijk
Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
Fax: (+31-70) 340-3016

Authorized officer

Dessaux, C

INTERNATIONAL SEARCH REPORT

Information on patent family members

In tional Application No
PCT/JP2004/013575

Patent document cited in search report		Publication date		Patent family member(s)	Publication date
US 2003139009	A1	24-07-2003	JP	2003045758 A	14-02-2003
			DE	10222844 A1	30-01-2003
US 2002154467	A1	24-10-2002	JP	2002231585 A	16-08-2002
			GB	2374729 A ,B	23-10-2002
			TW	518621 B	21-01-2003
US 2002027305	A1	07-03-2002	JP	11121300 A	30-04-1999
US 2003043532	A1	06-03-2003	JP	2003031450 A	31-01-2003